

FIG. 1

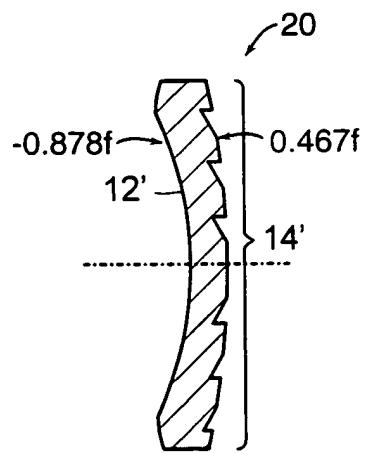


FIG. 2A

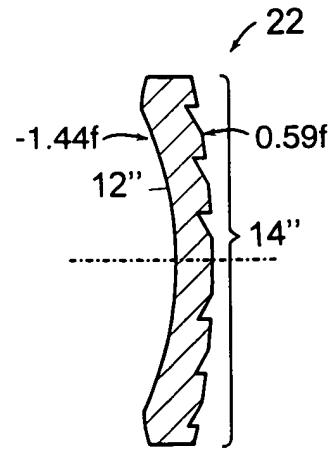


FIG. 2B

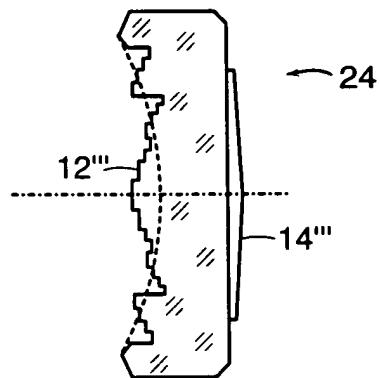


FIG. 3

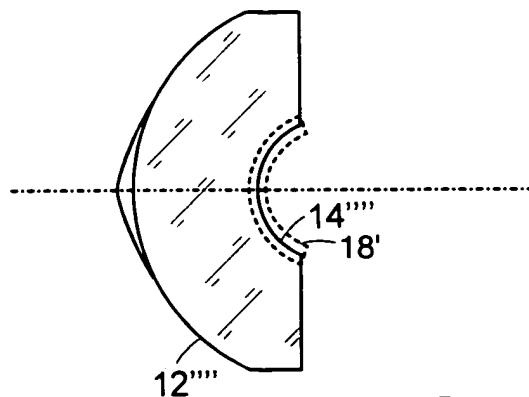
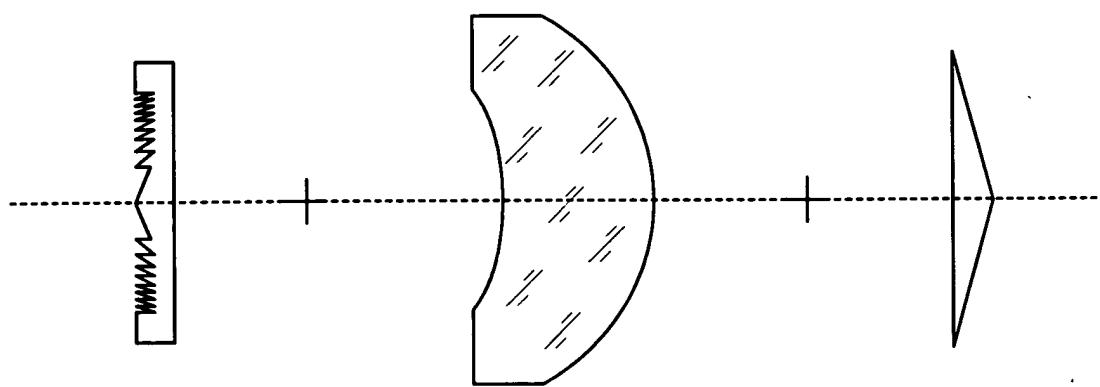
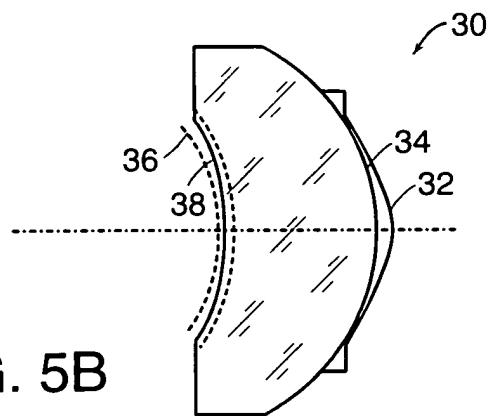


FIG. 4



**FIG. 5A**



**FIG. 5B**

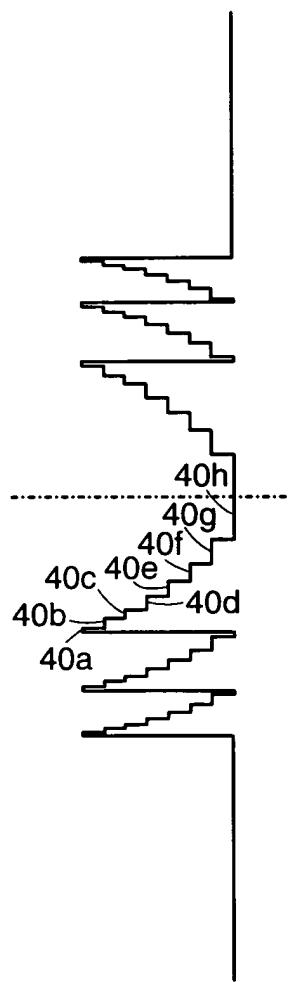


FIG. 6

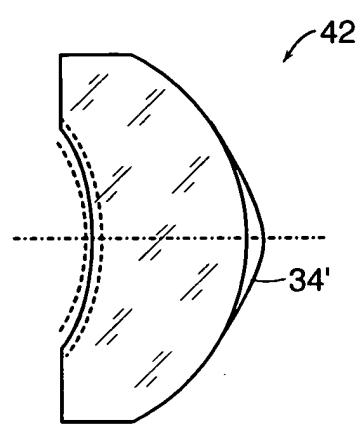
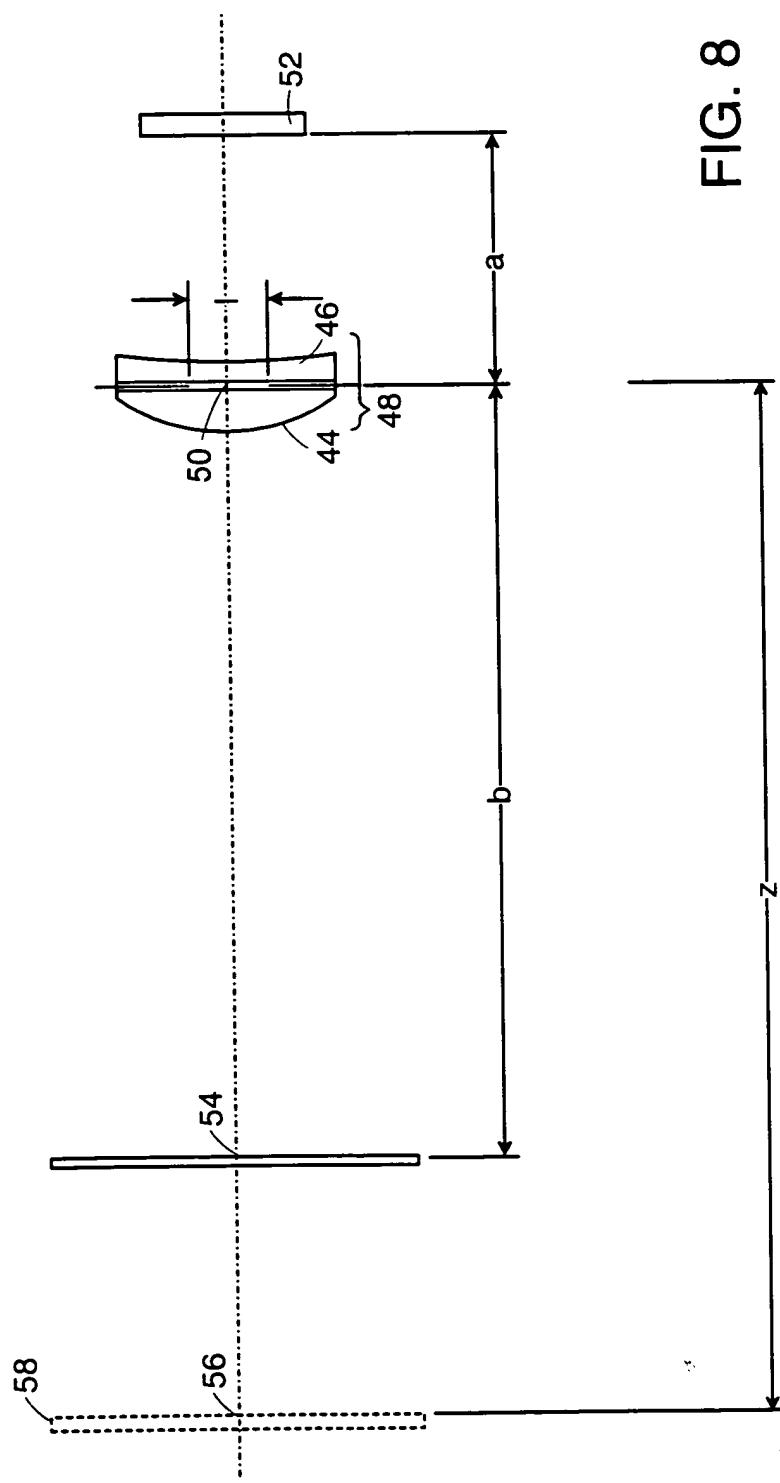


FIG. 7



CCD 10mil SYMBOLS	z (INCH)	MTF1 <sub>a</sub>	MTF2 <sub>a</sub>	MTF3 <sub>a</sub>
	2.662	0.4	0.15	-0.2
	3.669	0.59	0.25	-0.2
	5.264	0.72	0.42	-0.18
	6.725	0.64	0.44	-0.1
	9.309	0.35	0.5	0.01
	11.523	0.19	0.4	0.05
	15.118	0.08	0.25	0.05
	21.974	0.03	0.04	0.07
	24.618	0	0	0
	$\alpha=0$	$\alpha=-.0003$	$\alpha=-.001$	

MTF AS A FUNCTION OF z AND .ALPHA, 10mil SYMBOL

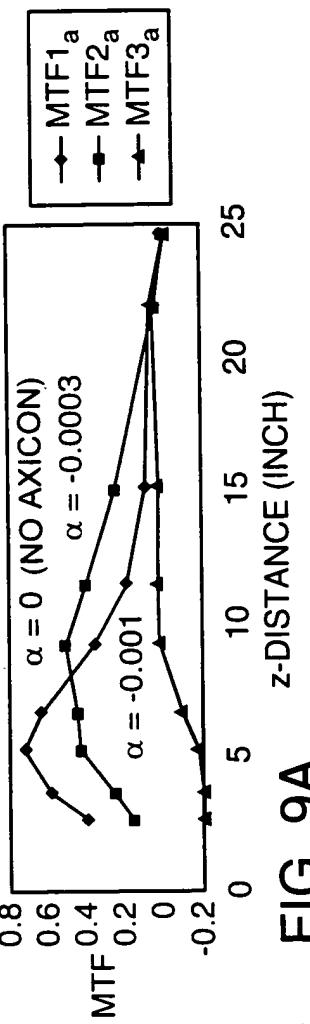


FIG. 9A

CCD 20mil SYMBOLS	z (INCH)	MTF1 <sub>b</sub>	MTF2 <sub>b</sub>	MTF3 <sub>b</sub>
	2.662	0.75	0.65	0.3
	3.669	0.8	0.7	0.25
	5.264	0.85	0.72	0.15
	6.725	0.82	0.75	0.08
	9.309	0.65	0.74	-0.06
	11.523	0.48	0.7	-0.06
	15.118	0.22	0.56	-0.03
	21.974	0.03	0.35	0.06
	40.208	0.05	0.02	0
	49.236	0	0	0
	$\alpha=0$	$\alpha=-.0003$	$\alpha=-.001$	

MTF AS A FUNCTION OF z AND .ALPHA, 20mil SYMBOL

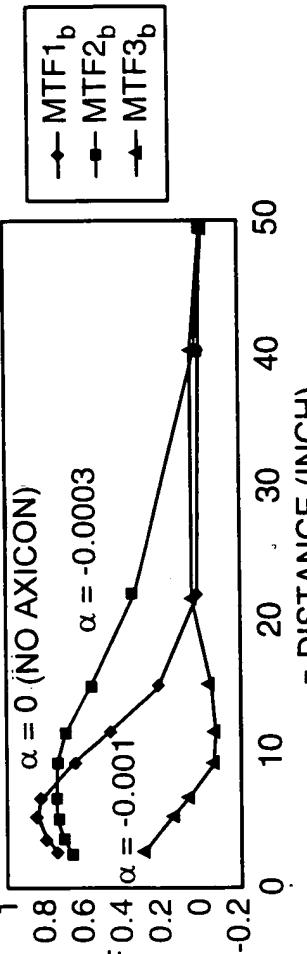


FIG. 9B

10mil SYMBOLS			
z (INCH)	MTF1 <sub>c</sub>	MTF2 <sub>c</sub>	MTF3 <sub>c</sub>
2.662	0.4	0.65	0.77
3.669	0.59	0.78	0.33
5.264	0.72	0.62	-0.18
6.725	0.64	0.27	0
9.309	0.35	-0.01	0.04
11.523	0.19	-0.03	0
15.118	0.08	-0.01	0.02
21.974	0.03	0.02	0.01
24.618	0	0	0

$\alpha = 0$     $\alpha = .0003$

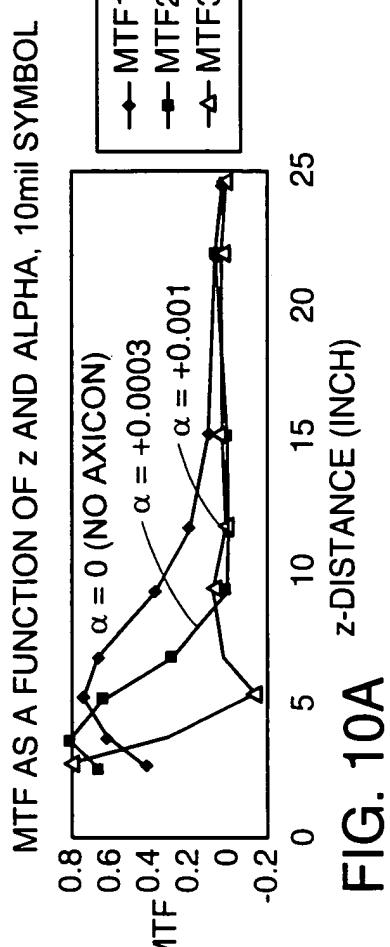


FIG. 10A

20mil SYMBOLS			
z (INCH)	MTF1 <sub>d</sub>	MTF2 <sub>d</sub>	MTF3 <sub>d</sub>
2.662	0.75	0.85	0.9
3.669	0.8	0.9	0.75
5.264	0.85	0.8	0.3
6.725	0.82	0.65	-0.05
9.309	0.65	0.28	-0.15
11.523	0.48	0.15	0.02
15.118	0.22	-0.1	0.08
21.974	0.03	-0.01	0
40.208	0.05	0.02	0
49.236	0	0	0

$\alpha = 0$     $\alpha = .0003$

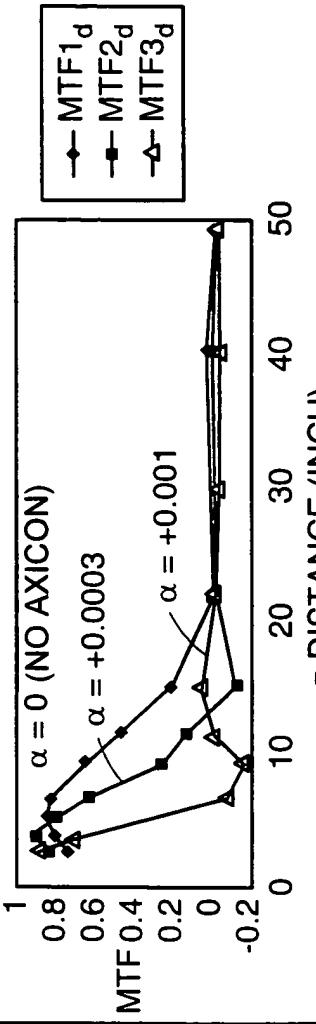


FIG. 10B

CCD 10mil SYMBOLS			
$z$ (INCH)	MTF <sub>1<sup>e</sup></sub>	MTF <sub>2<sup>e</sup></sub>	MTF <sub>3<sup>e</sup></sub>
2.662	0.2	0.15	0.05
3.669	0.35	0.25	0.15
5.264	0.55	0.42	0.28
6.725	0.62	0.44	0.35
9.309	0.54	0.5	0.4
11.523	0.38	0.4	0.38
15.118	0.2	0.25	0.28
21.974	0.03	0.04	0.06
24.618	0	0	0

CCD 20mil SYMBOLS			
$z$ (INCH)	MTF <sub>1<sup>f</sup></sub>	MTF <sub>2<sup>f</sup></sub>	MTF <sub>3<sup>f</sup></sub>
2.662	0.078	0.65	0.6
3.669	0.77	0.7	0.64
5.264	0.8	0.72	0.67
6.725	0.8	0.75	0.7
9.309	0.69	0.74	0.75
11.523	0.67	0.7	0.67
15.118	0.66	0.56	0.58
21.974	0.27	0.35	0.43
40.208	0.07	0.02	0.09
49.236	0	0	0

MTF AS A FUNCTION OF  $z$  AND ALPHA, 10mil SYMBOL

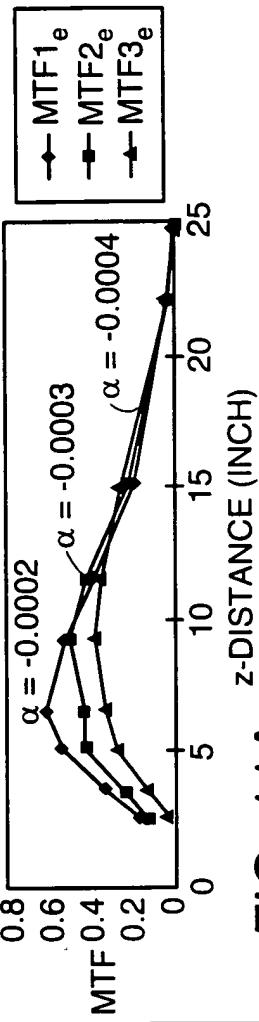


FIG. 11A

MTF AS A FUNCTION OF  $z$  AND ALPHA, 20mil SYMBOL

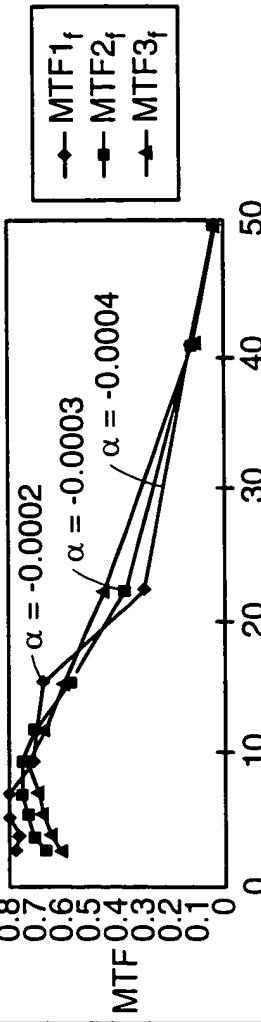


FIG. 11B

$\alpha = +0.001$

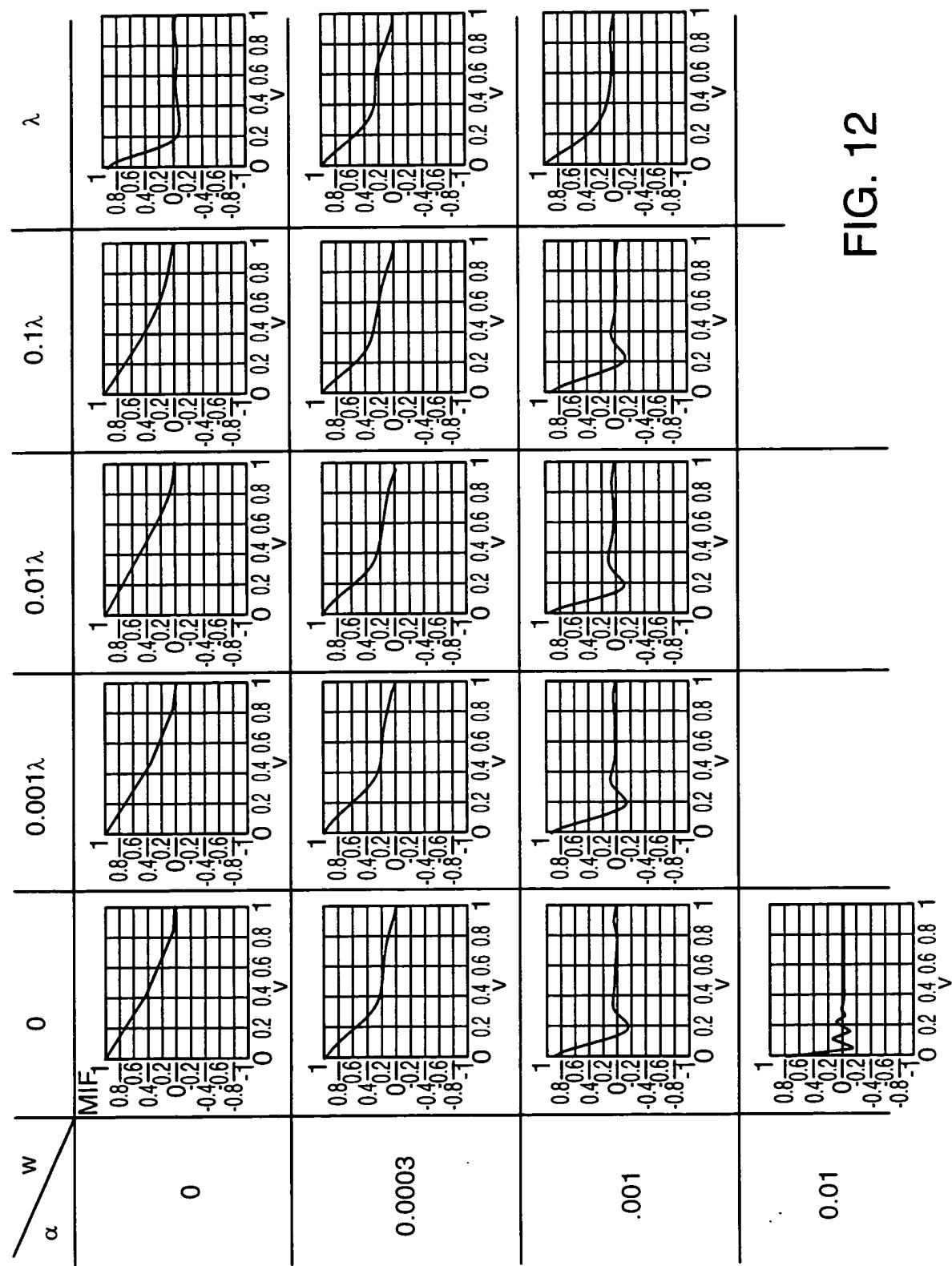


FIG. 12

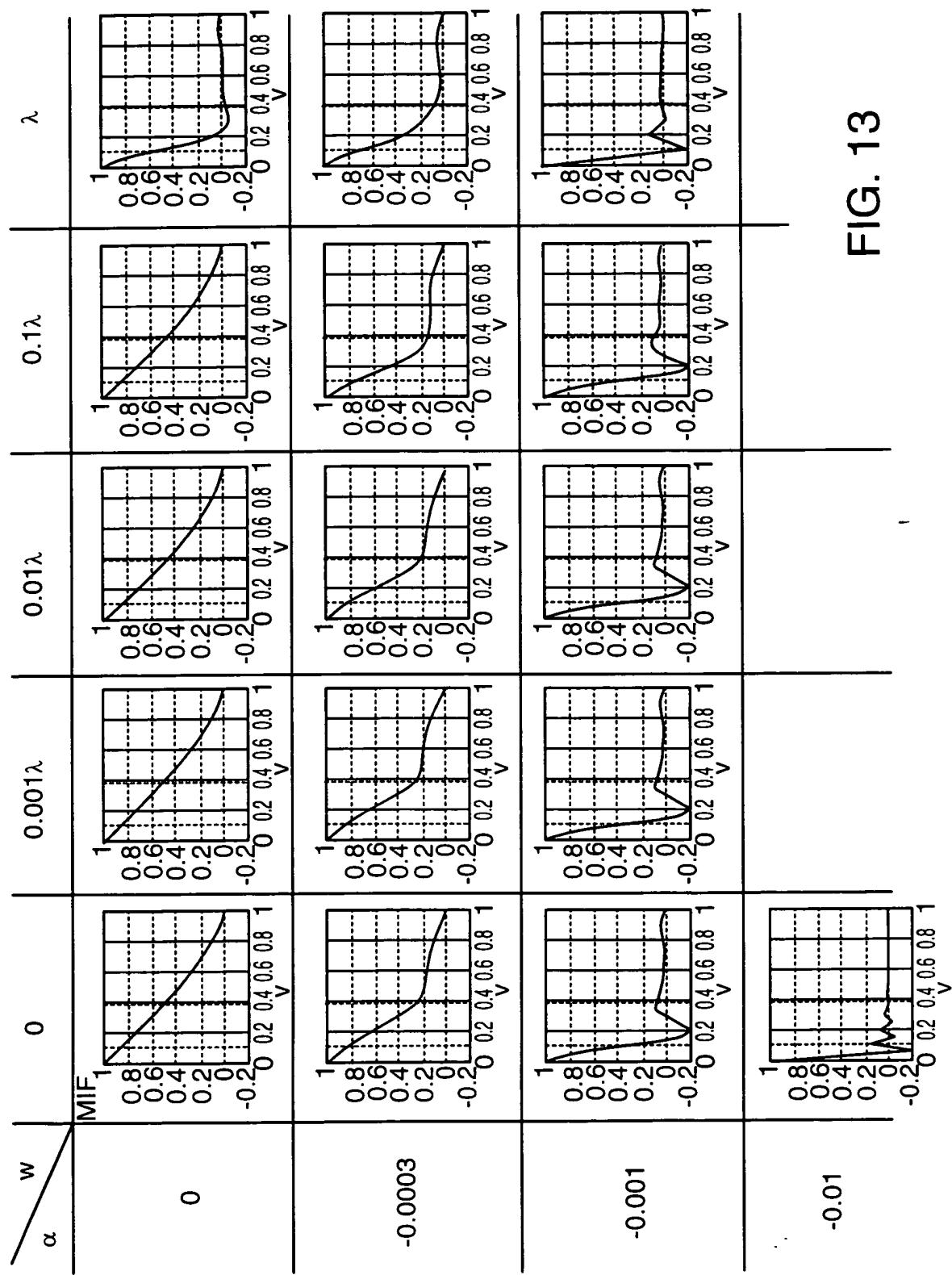


FIG. 13